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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/782,866 | 02/23/2004 | Kang Soo Seo | 1740-000084/US | 7080 |

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RESTON, VA 20195

EXAMINER

DUNN, MISHAWN N

| ART UNIT | PAPER NUMBER |
|----------|--------------|
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2621

| MAIL DATE | DELIVERY MODE |
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08/24/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | |
|------------------------------|-------------------------------|----------------------------|--|
| Office Action Summary | Application No. 10/782,866 | Applicant(s) SEO ET AL. | |
| | Examiner Mishawn N. Dunn | Art Unit 2621 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>5/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-14 are rejected under 35 U.S.C. 102(e) as being unpatentable over Kato et al (Us Pub. No. 2005/0019007).

3. Consider claim 1. Kato et al. teaches a recording medium having a data structure for managing playback control of the recording medium, comprising: a navigation area storing an information file including a plurality of navigation segments representing one or more reproduction paths of a title, each of the navigation segments including at least one navigation command, a number of the navigation segments each including a navigation command for launching a playlist, and one of the navigation segments being an entry navigation segment of the title (paras. 0027, 0031, 00184; figs. 9 and 15).

4. Consider claim 2. Kato et al. teaches the recording medium of claim 1, wherein at least one branch point along the one or more reproduction paths occurs at a boundary of a launched playlist (para. 0252).

5. Consider claim 4. Kato et al. teaches the recording medium of claim 3, wherein each of the number of navigation segments includes a navigation command for launching a different playlist (paras. 0027, 0191, 0221-0222; fig. 9).
6. Consider claim 5. Kato et al. teaches the recording medium of claim 4, wherein each of the navigation segments representing the one or more reproduction paths of the title includes a navigation command for launching a playlist (paras. 0027, 0191, 0221-0222; fig. 9).
7. Consider claim 6. Kato et al. teaches the recording medium of claim 5, wherein each launched playlist includes navigation information for reproducing at least a portion of a clip file (paras. 0011, 0017, 0022, 0027-0031).
8. Consider claim 7. Kato et al. teaches the recording medium of claim 6, further comprising: a playlist area storing a playlist directory, the playlist directory storing the at least one playlist; a clip information file directory storing at least one clip information file; and a stream directory storing at least one clip file (paras. 0260, 0431; fig. 14).
9. Consider claim 13. Kato et al. teaches a method of recording a data structure for managing playback control of the recording medium, comprising: recording an information file on the recording medium, the information file including a plurality of navigation segments representing one or more reproduction paths of a title, each of the navigation segments including at least one navigation command, a number of the navigation segments each including a navigation command for launching a playlist, and one of the navigation segments being an entry navigation segment of the title (paras. 0027, 0031, 00184; figs. 1, 9 and 15).

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10. Claims 3, 8-12, and 14 are rejected using similar reasoning as the corresponding claims above.

Claim Rejections - 35 USC § 103

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

13. Claims 15 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kato et al. (US Pub. No. 2005/0019007) in view of Sasaki et al. (US Pub. No. 7,050,384).

14. Consider claim 15. Kato et al. teaches all the claimed limitations as stated above, except a driver for driving an optical recording device to record data on the recording

medium and a controller for controlling the driver to record an information file on the recording medium.

However, Sasaki discloses a driver for driving an optical recording device to record data on the recording medium and a controller for controlling the driver to record an information file on the recording medium (fig. 1).

Therefore, it would have been obvious to one with ordinary skill in the art, at the time the invention was made to use, to provide a driver for driving an optical recording device and a controller for controlling the driver, in order to record data on the recording medium.

15. Claim 16 is rejected using similar reasoning as the corresponding claim above.

Conclusion

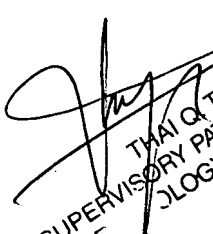
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mishawn N. Dunn whose telephone number is 571-272-7635. The examiner can normally be reached on Monday - Friday 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on 571-272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mishawn Dunn
August 13, 2007


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